1. An apparatus for limiting volatile computer memory based on available energy in an auxiliary power source, the apparatus comprising:

an energy monitor module configured to determine an amount of available energy in an auxiliary power source;

a memory status module configured to determine an amount of volatile computer memory allocated for use in a computer; and

a memory adjustment module configured to adjust the amount of volatile computer memory allocated for use in the computer based on the amount of available energy in the auxiliary power source.

2. The apparatus of claim 1, wherein the memory adjustment module is configured to adjust the amount of volatile computer memory allocated for use in the computer further by adjusting the amount of volatile computer memory allocated for use by the computer to an amount of volatile computer memory the contents of which can be fully transferred to non-volatile computer memory during a computer shutdown using the amount of available energy in the auxiliary power source.

3. The apparatus of claim 1, further comprising a startup module configured to allow the computer to begin moving data normally when the memory adjustment module has limited volatile computer memory allocated for use by the computer to a minimum level and the energy monitor module has determined that the amount of available energy in the auxiliary power source has reached a minimum level capable of powering a transferal of the full contents of volatile computer memory allocated for use by the computer to non-volatile computer memory during a computer shutdown.

4. The apparatus of claim 1, wherein the auxiliary power source is an internal power storage device located within the computer.

5. The apparatus of claim 1, wherein the auxiliary power source is an external power storage device located external to the computer.

6. A system for limiting volatile computer memory based on available energy in an auxiliary power source, the apparatus comprising:

a computer having volatile computer memory;

an energy monitor module configured to determine an amount of available energy in an auxiliary power source; and

a memory adjustment module configured to adjust an amount of the volatile computer memory that is allocated for use in the computer, the adjustment based on the amount of available energy in the auxiliary power source.

7. The system of claim 6, further comprising a memory status module configured to determine an amount of volatile computer memory allocated for use in a computer;

8. The system of claim 6, further comprising a startup module configured to allow the computer to begin moving data normally when the memory adjustment module has limited volatile computer memory allocated for use by the computer to a minimum level and the energy monitor module has determined that the amount of available energy in the auxiliary power source has reached a minimum level capable of powering a transferal of the full contents of volatile computer memory allocated for use by the computer to non-volatile computer memory during a computer shutdown.

9. The system of claim 6, further comprising a computer network connecting the computer to other computer system components.

10. The system of claim 9, wherein the network comprises a storage area network connecting memory storage devices.

11. The system of claim 9, wherein the other computer system components comprise a file server, a printer, and computer workstations.

12. A method for limiting volatile computer memory based on available energy in an auxiliary power source, the method comprising:

determining an amount of available energy in an auxiliary power source;

determining an amount of volatile computer memory allocated for use in a computer; and

adjusting the amount of volatile computer memory allocated for use in the computer based on the amount of available energy in the auxiliary power source.

13. The method of claim 12, wherein adjusting the amount of volatile computer memory allocated for use in the computer further comprises limiting the amount of volatile computer memory allocated for use by the computer to an amount of volatile computer memory that can be transferred to non-volatile computer memory during a computer shutdown using the amount of available energy in the auxiliary power source.

14. The method of claim 12, further comprising allowing the computer to begin moving data normally when the volatile computer memory allocated for use by the computer has been limited to a minimum level and it has been determined that the amount of available energy in the auxiliary power source has reached a minimum level capable of transferring the volatile computer memory allocated for use by the computer to non-volatile computer memory during a computer shutdown.

15. A computer readable storage medium comprising computer readable code configured to carry out a method for limiting volatile computer memory based on available energy in an auxiliary power source, the method comprising:

determining an amount of available energy in an auxiliary power source;

determining an amount of volatile computer memory allocated for use in a computer; and

adjusting the amount of volatile computer memory allocated for use in the computer based on the amount of available energy in the auxiliary power source.

16. The computer readable storage of claim 15, wherein adjusting the amount of volatile computer memory allocated for use in the computer further comprises limiting the amount of volatile computer memory allocated for use by the computer to an amount of volatile computer memory that can be transferred to non-volatile computer memory during a computer shutdown using the amount of available energy in the auxiliary power source.

17. The computer readable storage of claim 15, further comprising allowing the computer to begin moving data normally after the volatile computer memory allocated for use by the computer has been limited to a minimum level and it has been determined that the

amount of available energy in the auxiliary power source is at least at the minimum level capable of transferring the volatile computer memory allocated for use by the computer to non-volatile computer memory during a computer shutdown.

18. An apparatus for limiting volatile computer memory based on available energy in an auxiliary power source, the apparatus comprising:

energy means for determining an amount of available energy in an auxiliary power source;

memory means for determining an amount of volatile computer memory allocated for use in a computer; and

adjusting means for adjusting the amount of volatile computer memory allocated for use in the computer based on the amount of available energy in the auxiliary power source.

19. The apparatus of claim 18, further comprising means for limiting the amount of volatile computer memory allocated for use by the computer to an amount of volatile computer memory that can be transferred to non-volatile computer memory during a computer shutdown using the amount of available energy in the auxiliary power source.

20. The apparatus of claim 18, further comprising startup means for allowing the computer to start moving data normally when the adjustment means limits volatile computer memory allocated for use by the computer to a minimum level and the energy means determines that the amount of available energy in the auxiliary power source reaches a minimum level capable of transferring the volatile computer memory allocated for use by the computer to non-volatile computer memory during a computer shutdown